

Converting Colors

XYZ(29.2353, 30.3486, 84.5634)

Have a look what the booklet for
XYZ(29.2353, 30.3486, 84.5634)
contains.

XYZ(29.2959, 30.4908, 84.4620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.2959, 30.4908,
84.4620)**

Conversions

Conversions Part 1

Format	Color
Hex	459AED
RGB	69, 154, 237
RGB Percent	27%, 60%, 93%
CMY	0.7294, 0.3961, 0.0706
CMYK	0.71, 0.35, 0.00, 0.07
HSL	210°, 82%, 60%
HSV	210°, 71%, 93%
XYZ	29.2959, 30.4908, 84.4620
YIQ	138.0470, -77.3030, 7.7930

Conversions

Conversions Part 2

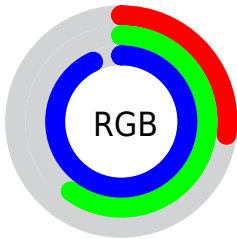
Format	Color
R _Y B	69, 125, 237
Decimal	4561645
CIE Lab	62.08, 1.22, -49.15
CIE LCh	62, 49.168, 271.417
Yxy	30.4908, 0.2031, 0.2114
Android (android.graphics.Color)	4282751725 (0xFF459AED)
YUV	138.0470, 48.7838, -60.5542
Hunter-Lab	55.2185, -1.9300, -52.0369

Details

The XYZ color **29.2959, 30.4908, 84.4620** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **47.2298, 40.8944, 11.0362**, and the grayscale version is **24.0180, 25.2688, 27.5177**.

A 20% lighter version of the original color is **50.5975, 57.4826, 103.0362**, and **13.1907, 13.0367, 45.5372** is the 20% darker color. If you saturate the color by 10%, you get **26.0986, 26.1124, 83.7861**, and if you desaturate by 10%, it is **33.3550, 35.5941, 85.2338**.

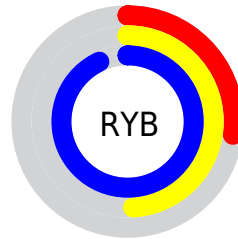
Distribution



Red (27%)

Green (60%)

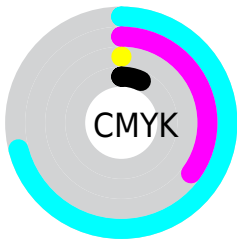
Blue (93%)



Red (27%)

Yellow (49%)

Blue (93%)

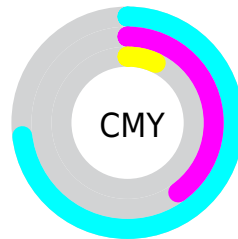


Cyan (71%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (73%)

Magenta (40%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2959, 30.4908, 84.4620 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.2959, 30.4908, 84.4620 by changing the saturation by 10% instead.

■ 29.2959, 30.4908,
84.4620

■ 29.2959, 30.4908,
84.4620

290.5776,
304.1855, 529.9442

■ 19.4502, 20.2114,
62.8494

■ 57.9412, 60.4375,
141.4887

■ 12.1020, 12.5488,
45.2791

■ 77.4715, 80.8736,
177.7399

■ 6.8858, 7.1186,
31.3328

■ 100.9607,
105.4640, 219.7077

■ 3.4365, 3.5364,
20.5918

■ 128.7741,
134.5932, 267.8106

■ 1.3886, 1.4178,
12.6376

161.2772,
168.6456, 322.4671

■ 0.2481, 0.2298,
7.0517

198.8352,

■ 0.0000, 0.0000,

208.0055, 384.0959

3.4155

241.8136,
253.0574, 453.1154

■ 0.0000, 0.0000,
1.3105

■ 0.0000, 0.0000,
0.0704

■ 29.2959, 30.4908,
84.4620

■ 29.2959, 30.4908,
84.4620

■ 26.0986, 26.1124,
83.7861

■ 33.3550, 35.5941,
85.2338

■ 23.6689, 22.4013,
83.1978

■ 38.3489, 41.4665,
86.1040

■ 21.9912, 19.5245,
82.7309

■ 44.3459, 48.1509,
87.0782

■ 51.4065, 55.6857,
88.1604

■ 59.5862, 64.1061,
89.3546

■ 68.9363, 73.4454,
90.6644

■ 79.5045, 83.7346,
92.0934

■ 89.9948, 94.3117,
93.5821

■ 92.2862, 98.8945,
94.3459

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.3184, 30.4908, 76.4855



29.2959, 30.4908, 84.4620



36.1189, 30.4908, 74.9267

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.2959, 30.4908, 84.4620



41.2284, 30.4908, 17.6177



19.1962, 30.4908, 18.6591

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.2959, 30.4908, 84.4620



47.2298, 40.8944, 11.0362

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.8508, 30.4908, 10.8257



29.2959, 30.4908, 84.4620



35.4924, 30.4908, 10.4050

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.2959, 30.4908, 84.4620



43.6240, 30.4908, 32.3076



28.6676, 30.4908, 8.4950



18.0466, 30.4908, 34.1072

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.2959, 30.4908, 84.4620



40.0873, 30.4908, 61.4467



28.6676, 30.4908, 8.4950



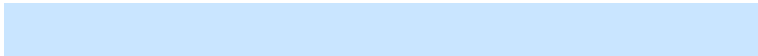
20.1420, 30.4908, 15.2876

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.2971, 30.4918, 84.4628



70.1514, 75.4856, 105.4806



38.2611, 64.0431, 39.2863



14.4147, 15.5454, 22.4908



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.2971, 30.4918, 84.4628



29.4343, 28.7882, 98.6131



20.0464, 11.9905, 81.3792



14.8611, 15.8086, 19.1904



12.1380, 10.9230, 45.2116



1.0494, 1.0502, 3.5823

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.8870, 24.5955, 33.0595



47.2793, 24.7975, 30.2739



65.4799, 77.3946, 17.1196



15.3834, 15.1812, 17.3045



20.9820, 10.5955, 10.9725



1.6962, 0.8514, 1.1175

Previews

White Background



This preview shows how the XYZ color 29.2959, 30.4908, 84.4620 looks on a white background.

Color Contrast Check

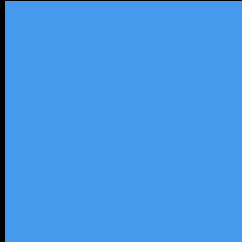
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.2959, 30.4908, 84.4620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

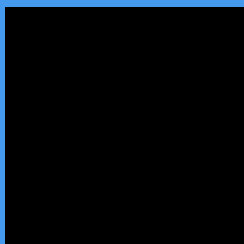
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

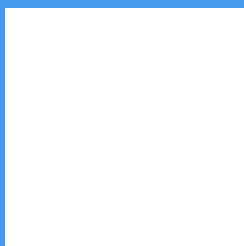
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2959, 30.4908, 84.4620

Background



This preview shows how black text looks on a background with the XYZ color 29.2959, 30.4908, 84.4620.



This preview shows how white text looks on a background with the XYZ color 29.2959, 30.4908,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

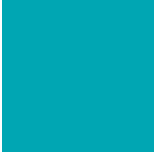
29.2959, 30.4908, 84.4620

Protanopia

32.1696, 30.1929, 78.9952

Deuteranopia

31.2171, 30.2646, 85.0853



Tritanopia

21.7729, 30.5271, 47.3926

Trichromacy



Original Color

29.2959, 30.4908, 84.4620

Protanomaly

30.8223, 30.1448, 81.2848

Deuteranomaly

30.4297, 30.3325, 85.1399

Tritanomaly

23.7466, 30.2175, 59.2246

Monochromacy



Original Color

29.2959, 30.4908, 84.4620

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.4233, 26.5132, 43.8747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2959, 30.4908, 84.4620 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(69, 154, 237)` looks like.

```
.text, #text, p{  
    color:rgb(69, 154, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(69, 154, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 154, 237) }
```

Border

The CSS property to change the border of an element to XYZ 29.2959, 30.4908, 84.4620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 154, 237) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(69, 154, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(69, 154, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 154, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 154, 237);  
box-shadow:4px 4px 4px 4px rgb(69, 154,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2959, 30.4908, 84.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 154, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(69, 154,  
237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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